

Applicant : Ted Alspach  
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Attorney's Docket No.: 07844-514001 / P476

**Amendments to the Claims:**

This listing of claims replaces all prior versions and listings of claims in the application:

**Claims 1-28 (Canceled)**

**29. (Currently Amended) A computer-implemented method, comprising:**

~~presenting an interactive visual representation of a lens flare, the visual representation including a rendering of a plurality of flare components, the plurality of flare components including a plurality of visually rendered shapes, each one of the plurality of visually rendered shapes having a geometric correspondence with a lens flare component, each lens flare component being one of: a center point, a flare ring, a flare ray, or and a halo surrounding the center point;~~

~~receiving a first user input to manipulate a first visually rendered shape in the plurality of visually rendered shapes to interactively change the position or form of a first corresponding lens flare component indicating a modification of a first flare component of the plurality of flare components; and~~

~~modifying a model and the presenting a visual rendering in accordance with the user input of the first corresponding lens flare component where the visual rendering reflects the change in the position or the form of the first corresponding lens flare component.~~

**30. (Canceled)**

**31. (Currently amended) The computer-implemented method of claim 29, further comprising:**

~~adding, in accordance to a second user input, a new component visually rendered shape to the plurality of visually rendered shapes, the new visually rendered shape having a geometric correspondence with a new lens to the plurality of flare components in accordance to a second user input; and~~

~~updating the rendering and the model to reflect the new component.~~

**32. (Canceled)**

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33. (Currently Amended) The computer-implemented method of claim 22-29 where:

automatically modifying a position or form of a second lens flare component location or size of a second component in the plurality corresponding to a second visually rendered shape in the plurality of visually rendered shapes to compensate for the modification manipulation of to the first component visually rendered shape, the second component different from the first component; and

— updating the rendering and the model to reflect the modifying of the second component.

34. (Currently Amended) The computer-implemented method of claim 29, where:

the plurality of visually rendered shapes visual representation is a wire frame geometrically depicting the corresponding lens flare components.

35. (Currently Amended) The computer-implemented method of claim 29, where the presenting further comprises:

superimposing the plurality of visually rendered shapes visual representation is superimposed over an image.

36. (Currently Amended) The computer-implemented method of claim 29, further comprising:

receiving a second user input to adjusting a parameter of a corresponding lens flare component in the plurality in accordance with a second user input, the parameter being one of: opacity, color, brightness, gradient, fuzziness, feathering, direction, or orientation; and  
— updating the rendering and the model to reflect the adjusting.

37 - 47. (Canceled)

48. (Currently Amended) A computer program product, tangibly encoded on a computer readable medium encoded on an information carrier, operable to cause a data processing apparatus to perform operations comprising:

presenting an interactive visual representation of a lens flare, the visual representation including a rendering of a plurality of flare components, the plurality of flare components including a plurality of visually rendered shapes, each one of the plurality of visually rendered shapes having a geometric correspondence with a lens flare component, each lens flare

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component being one of: a center point, a flare ring, a flare ray, or and a halo surrounding the center point;

receiving a first user input indicating a modification of a first flare component of the plurality of flare components to manipulate a first visually rendered shape in the plurality of visually rendered shapes to interactively change the position or the form of a first corresponding lens flare component; and

modifying a model and the presenting a visual rendering in accordance with the user input of the first corresponding lens flare component where the visual rendering reflects the change in the position or form of the first corresponding lens flare component.

49. (Canceled)

50. (Currently Amended) The computer program product of claim 48, further operable to cause the data processing apparatus to perform the following operations:

adding, in accordance to a second user input, a new component visually rendered shape to the plurality of visually rendered shapes, the new visually rendered shape having a geometric correspondence with a new lens to the plurality of flare components in accordance to a second user input; and

— updating the rendering and the model to reflect the new component.

51. (Canceled)

52. (Currently Amended) The computer program product of claim 51-48 where:

automatically modifying a position or form of a second lens flare component a location or size of a second component in the plurality corresponding to a second visually rendered shape in the plurality of visually rendered shapes to compensate for the modification manipulation of to the first visually rendered shape component, the second component different from the first component; and

— updating the rendering and the model to reflect the modifying of the second component.

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53. (Currently Amended) The computer program product of claim 48, where:

the plurality of visually rendered shapes visual representation is a wire frame geometrically depicting the corresponding lens flare components.

54. (Currently Amended) The computer program product of claim 48, where the presenting further comprises where:

superimposing the plurality of visually rendered shapes visual representation is superimposed over an image.

55. (Currently Amended) The computer program product of claim 48, further operable to cause the data processing apparatus to perform the following operations:

receiving a second user input to adjusting a parameter of a corresponding lens flare component in the plurality in accordance with a second user input, the parameter being one of: opacity, color, brightness, gradient, fuzziness, feathering, direction, or orientation; and  
— updating the rendering and the model to reflect the adjusting.

56 - 66. (Canceled)

67. (New) The method of claim 29, further comprising:

receiving a second user input defining a location in a target image;  
creating a plurality of lens flare components, each lens flare component being one of: a center point, a flare ring, a flare ray, or a halo; and

presenting a plurality of visually rendered shapes at one or more locations defined by the second user input, each one of the visually rendered shapes having a geometric correspondence with a lens flare component in the plurality of lens flare components.

68. (New) A computer-implemented method, comprising:

presenting a plurality of visually rendered wire frame shapes, each one of the plurality of visually rendered wire frame shapes having a geometric correspondence with a lens flare component, each lens flare component being one of: a center point, a flare ring, a flare ray, or a halo;

receiving a first user input to manipulate a first visually rendered wire frame shape in the

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plurality of visually rendered wire frame shapes to interactively change the position or form of a first corresponding lens flare component; and

presenting a visual rendering of the first corresponding lens flare component where the visual rendering reflects the change in the position or the form of the first corresponding lens flare component.

69. (New) The computer-implemented method of claim 68, wherein the first user input is a click or drag using a mouse, touch-pad, digitizing tablet, or trackball.

70. (New) The computer-implemented method of claim 68, further comprising:

adding, in accordance to a second user input, a new visually rendered wire frame shape to the plurality of visually rendered wire frame shapes, the new visually rendered shape having a geometric correspondence with a new lens flare component.

71. (New) A computer program product, tangibly encoded on a computer-readable medium, operable to cause a data processing apparatus to perform operations comprising:

presenting a plurality of visually rendered wire frame shapes, each one of the plurality of visually rendered wire frame shapes having a geometric correspondence with a lens flare component, each lens flare component being one of: a center point, a flare ring, a flare ray, or a halo;

receiving a first user input to manipulate a first visually rendered wire frame shape in the plurality of visually rendered wire frame shapes to interactively change the position or form of a first corresponding lens flare component; and

presenting a visual rendering of the first corresponding lens flare component where the visual rendering reflects the change in the position or the form of the first corresponding lens flare component.

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